16. An immunoassay method for detection of an antibody against HIV comprising:

- a. providing a sample suspected of coptaining an antibody against HIV,
- b. contacting said sample with at least one antigen mixture selected from the group consisting of a mixture of an antigen derived from the epitope region II of the Consensus sequence of an HIV1-subtype D isolate and an antigen derived from the corresponding region of gp41 of a different HIV1 subtype of the M group and a mixture of an antigen of epitope region I of the Consensus sequence of an HIV1-subtype E isolate and an antigen derived from the corresponding region of gp41 of a different HIV1 subtype of the M group, and
- c. measuring the binding of said antigen mixture to said HIV antibody.
- 17. The method of claim 15 wherein said antigen of gp41 of an HIV1-subtype D isolate corresponds to a sequence selected from the group consisting of SEQ ID NOs. 1 to 11 and partial sequences thereof.
- 18. The method of claim 15 wherein said antigen of gp41 of an HIV1-subtype E isolate corresponds to a sequence selected from the group consisting of SEQ ID NO. 12 and partial sequences thereof.

An antigen mixture comprising an antigen of gp41 of an HIV1-subtype D isolate and an antigen derived from gp41 of a different HIV1 subtype of the group M.

An antigen mixture comprising an antigen of gp41 of an HIV1-subtype E isolate and an antigen derived from gp41 of a different HIV1 subtype of the group M.

21. The antigen mixture of claim 19 wherein said antigen of gp41 of an HIV1-subtype D isolate is derived from epitope region II of the Consensus sequence of HIV1-subtype D.

- 22. The antigen mixture of claim 20 wherein said antigen of gp41 of an HIV1-subtype E isolate is derived from epitope region 1 of the Consensus sequence of HIV1-subtype E.
- The antigen mixture of claim 19 wherein said antigen of gp41 of an HIV1-subtype D isolate corresponds to a sequence selected from the group consisting of SEQ ID NOs. 1 to 11 and partial sequences thereof.

The antigen mixture of claim 20 wherein said antigen of gp41 of an HIV1-subtype E isolate corresponds to a sequence selected from the group consisting of SEQ ID NO. 12 and partial sequences thereof.

The antigen mixture of claim 19, further comprising an antigen derived from epitope region I or II of HIV1-subtype O.

The antigen mixture of claim 20, further comprising an antigen derived from epitope region I or II of HIV1-subtype O.

- 27. An antigen comprising a sequence selected from the group consisting of SEQ ID NO 12 and partial sequences thereof, said sequence having a minimum length of 6 amino acids.
- 28. An immunoassay method for detection of an antibody against HIV comprising:
 - a. providing a sample suspected of containing an antibody against HIV,
 - b. contacting said sample with an antigen comprising a sequence selected from the group consisting of SEQ ID NO 12 and partial sequences thereof, said sequence having a minimum length of 6 amino acids, and
 - c. measuring the binding of said antigen to said HIV antibody.
- An immunoassay method for detextion of an antibody against HIV comprising:
 - a. providing a sample suspected of containing an antibody against HIV,

b. contacting said sample with an antigen comprising a sequence selected from the group consisting of SEQ ID NOs. 1 to 11 and partial sequences thereof, said sequence having a minimum length of 7 amino acids, and

measuring the binding of said antigen to said HIV antibody.

A reagent for the detection of an antibody against HIV by means of an immunoassay comprising an antigen mixture comprising an antigen of gp41 of an HIV1-subtype D isolate and an antigen derived from gp41 of a different HIV1 subtype of the group M.

A reagent for the detection of an antibody against HIV by means of an immunoassay comprising an antigen mixture comprising an antigen of gp41 of an HIV1-subtype E isolate and an antigen derived from gp41 of a different HIV1 subtype of the group M.

- 32. The reagent of claim 29 wherein said antigen of gp41 of an HIV1-subtype D isolate is derived from epitope region I/ of the Consensus sequence of HIV1-subtype D.
- 33. The reagent of claim 30 wherein said antigen of gp41 of an HIV1-subtype E isolate is derived from epitope region I of the Consensus sequence of HIV1-subtype E.

Respectfully submitted,

Date: November 15, 1999

Marilyn L. Amick, Reg. No. 30,444 Roche Diagnostics Corporation 9115 Hague Road, Bldg. D

P.O. Box 50457

Indianapolis, IN 46250-0457 Telephone: (317) 576-7561

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